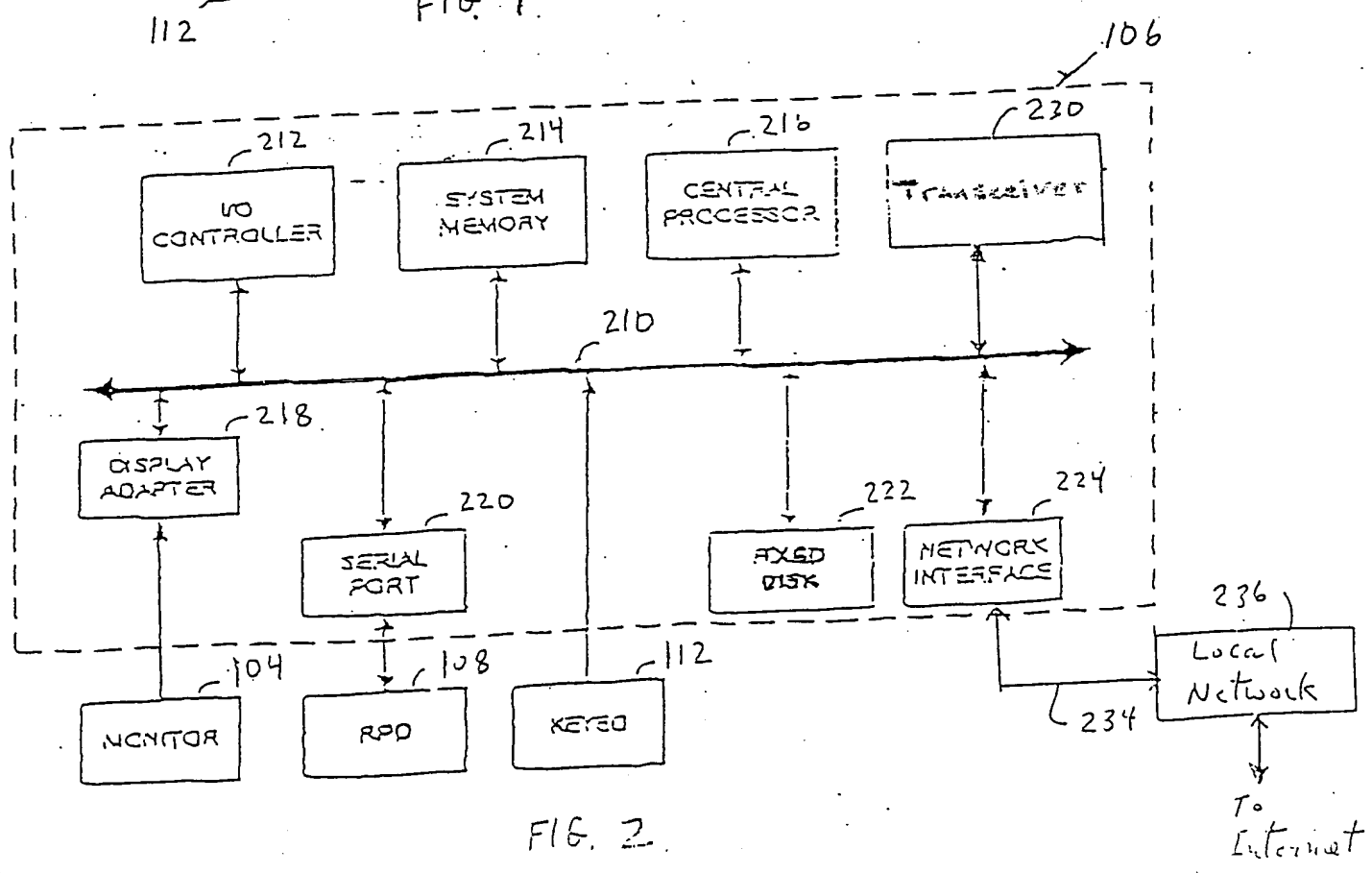
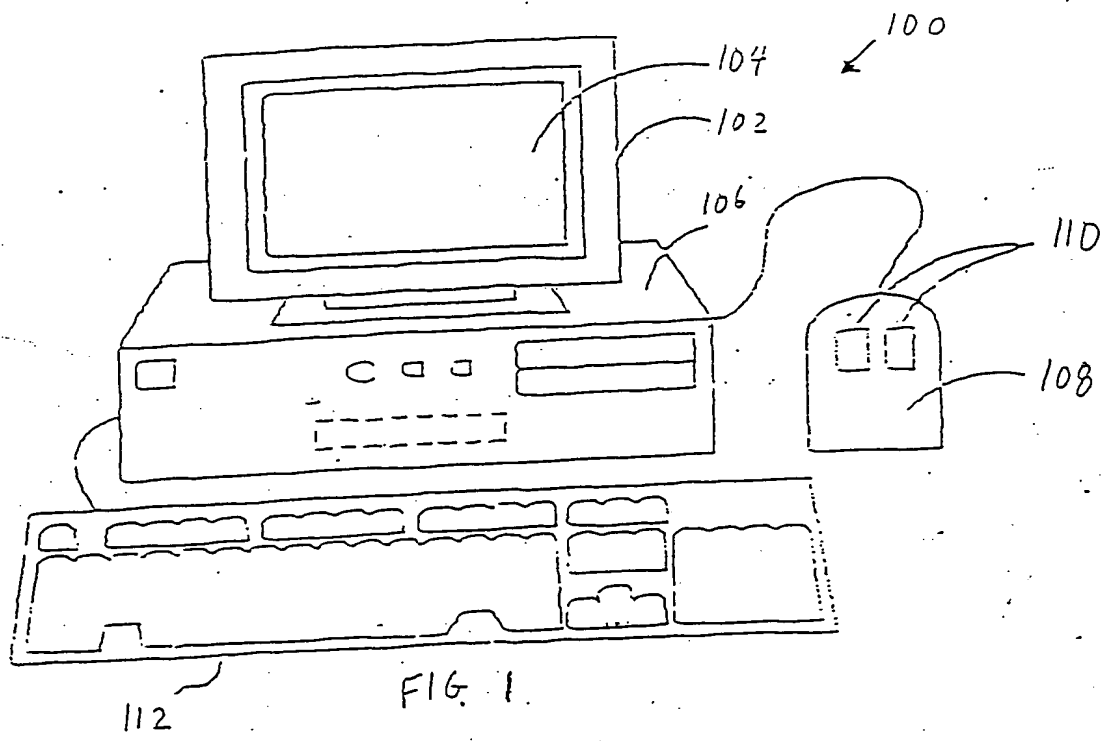


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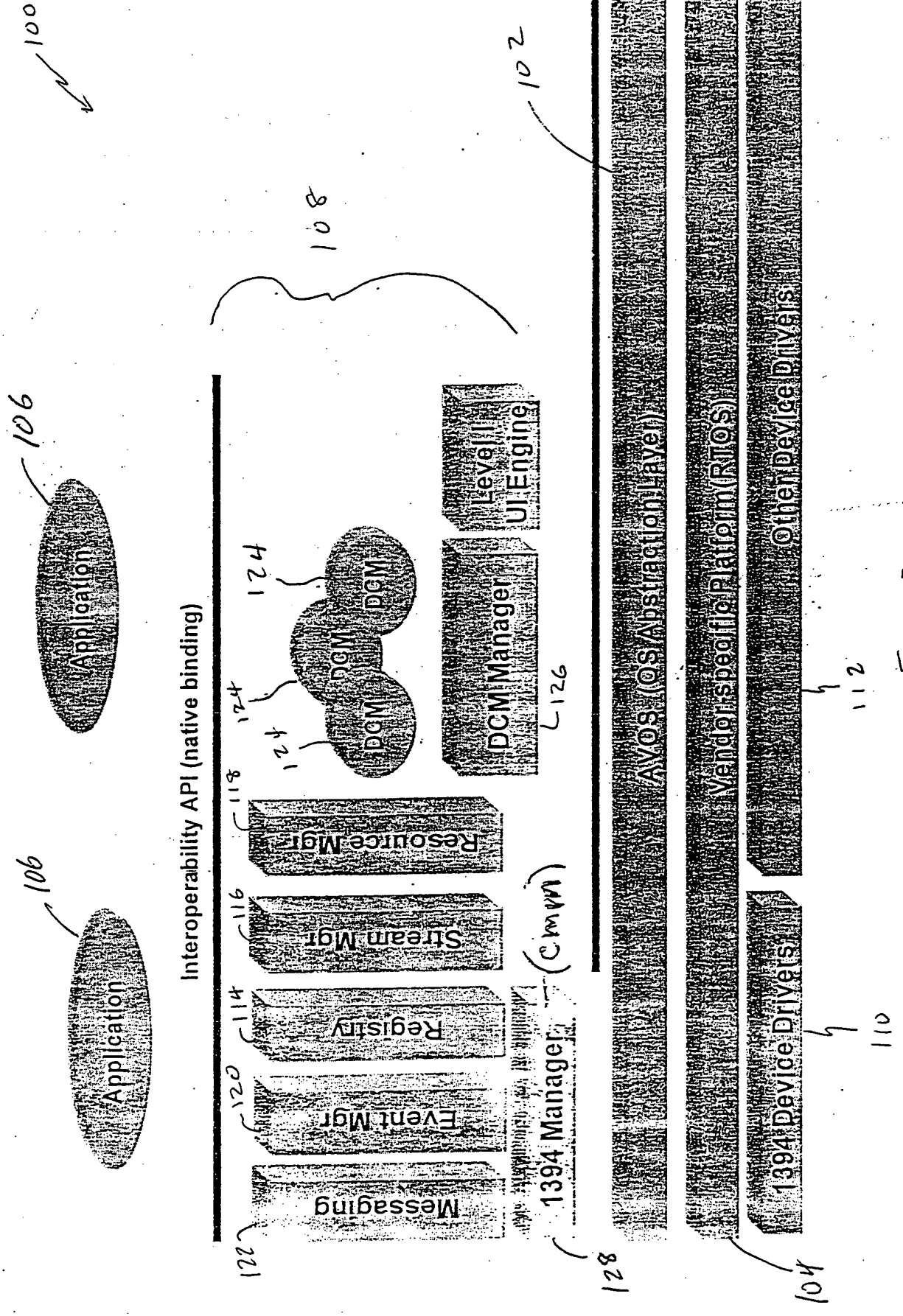


Fig. 3

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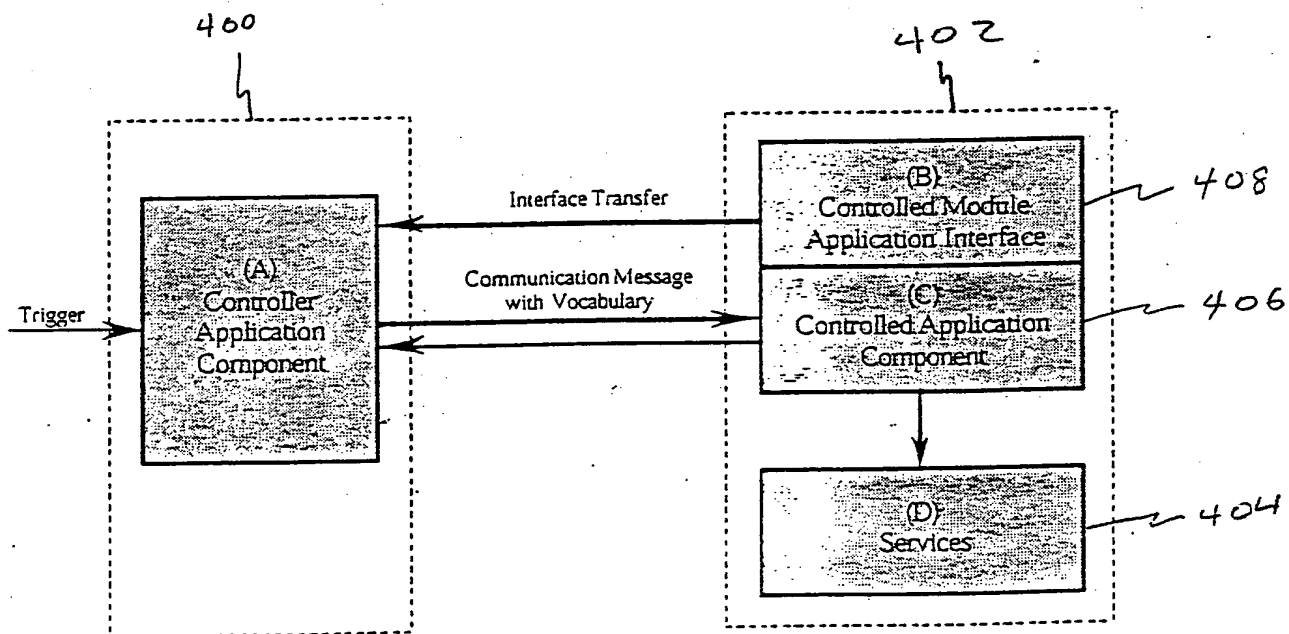


Fig. 4

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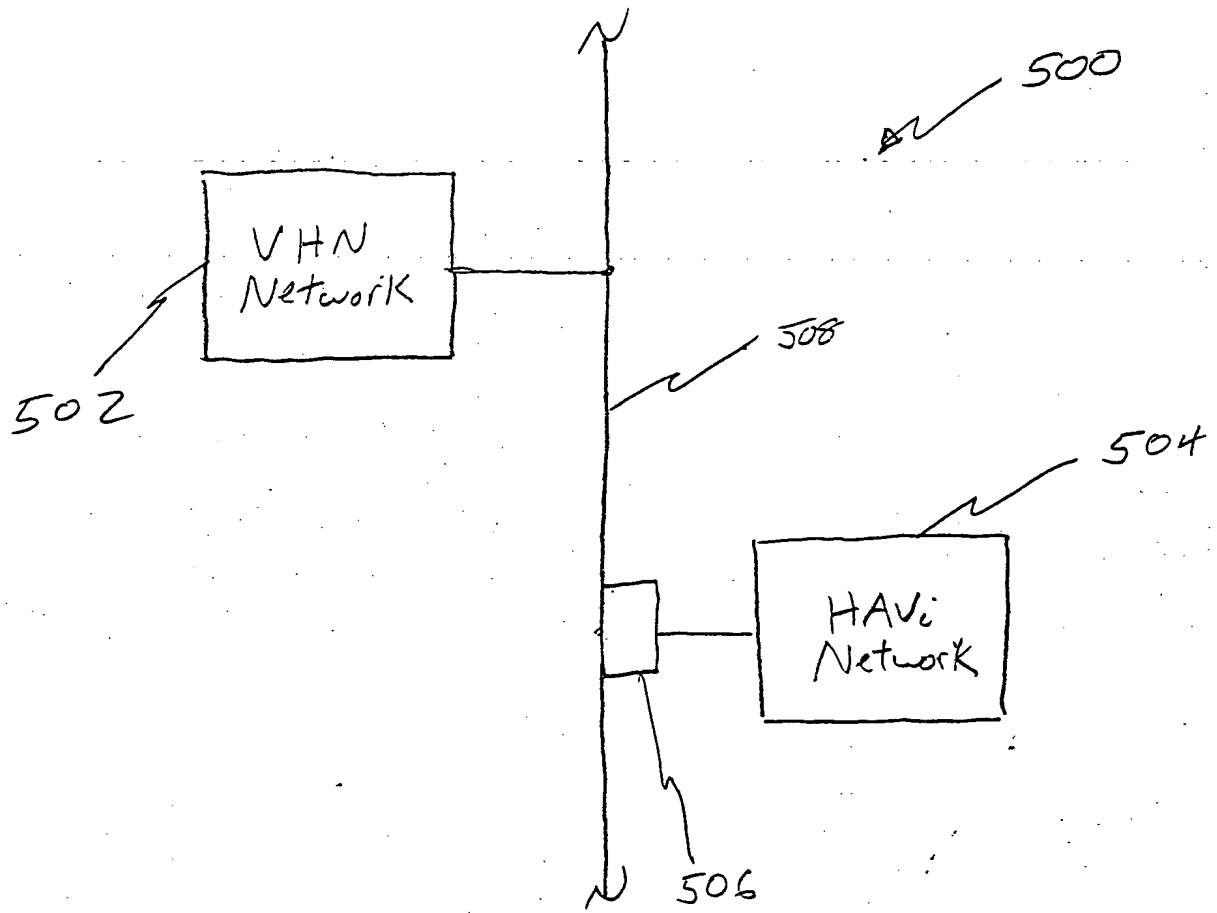


Fig. 5

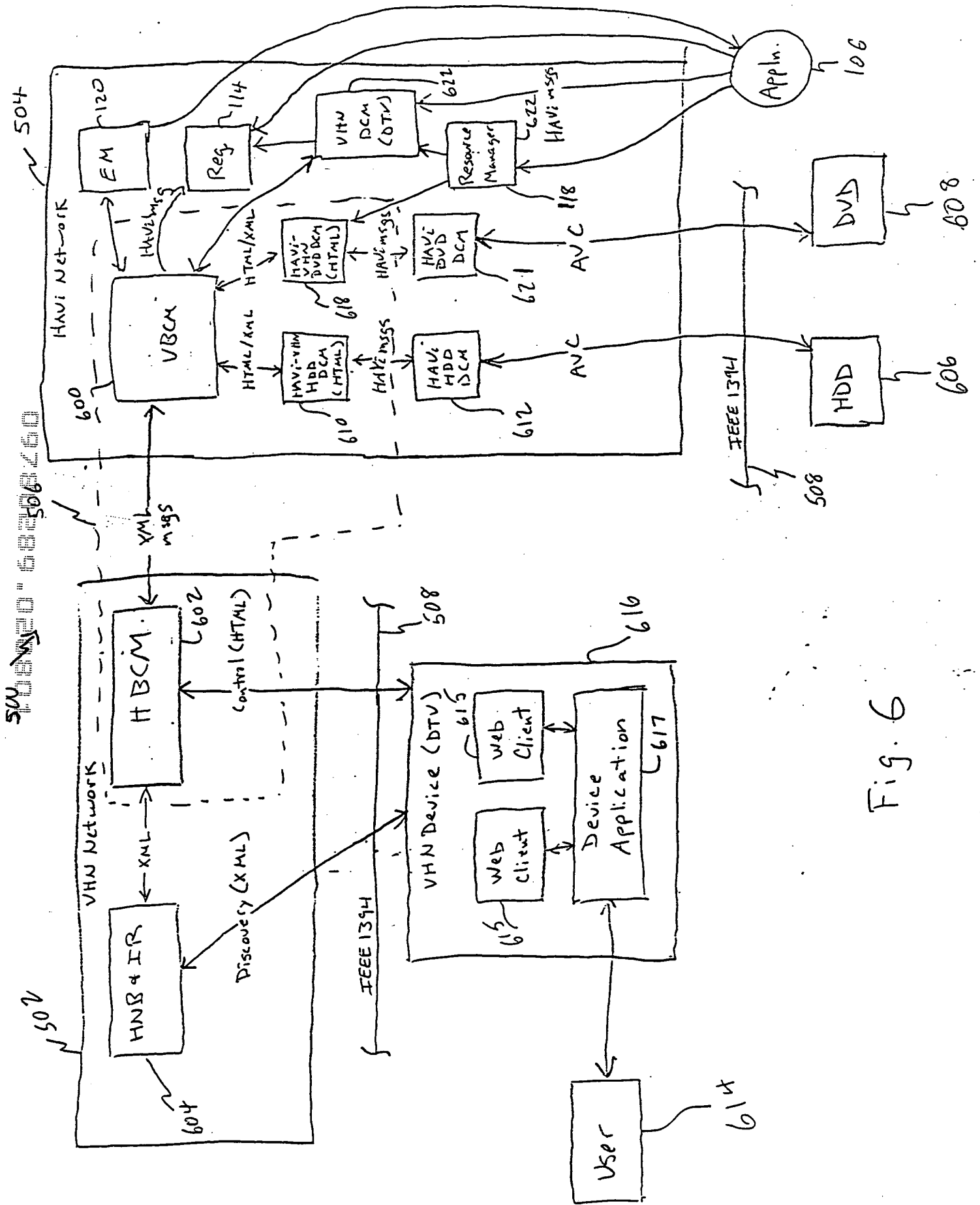


Fig. 6

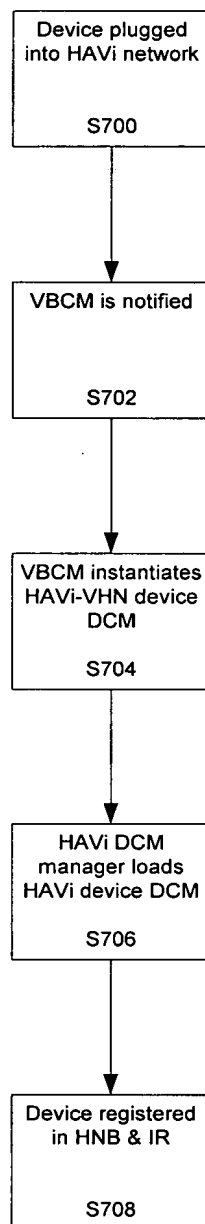


Fig. 7

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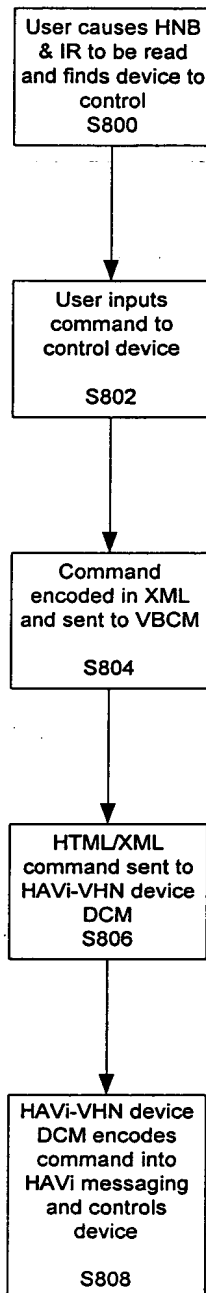


Fig. 8

VHN application queries
S900 HNB & IR

VHN application
discovers HAVi
application
S902

VHN application
sends XML RPC
to HAVi application
S904

VHN XML message
translated into
a HAVi message
S906

VHN BCM send
HAVi message to
HAVi application
via HAVi-VHN BCM
S908

Fig. 9

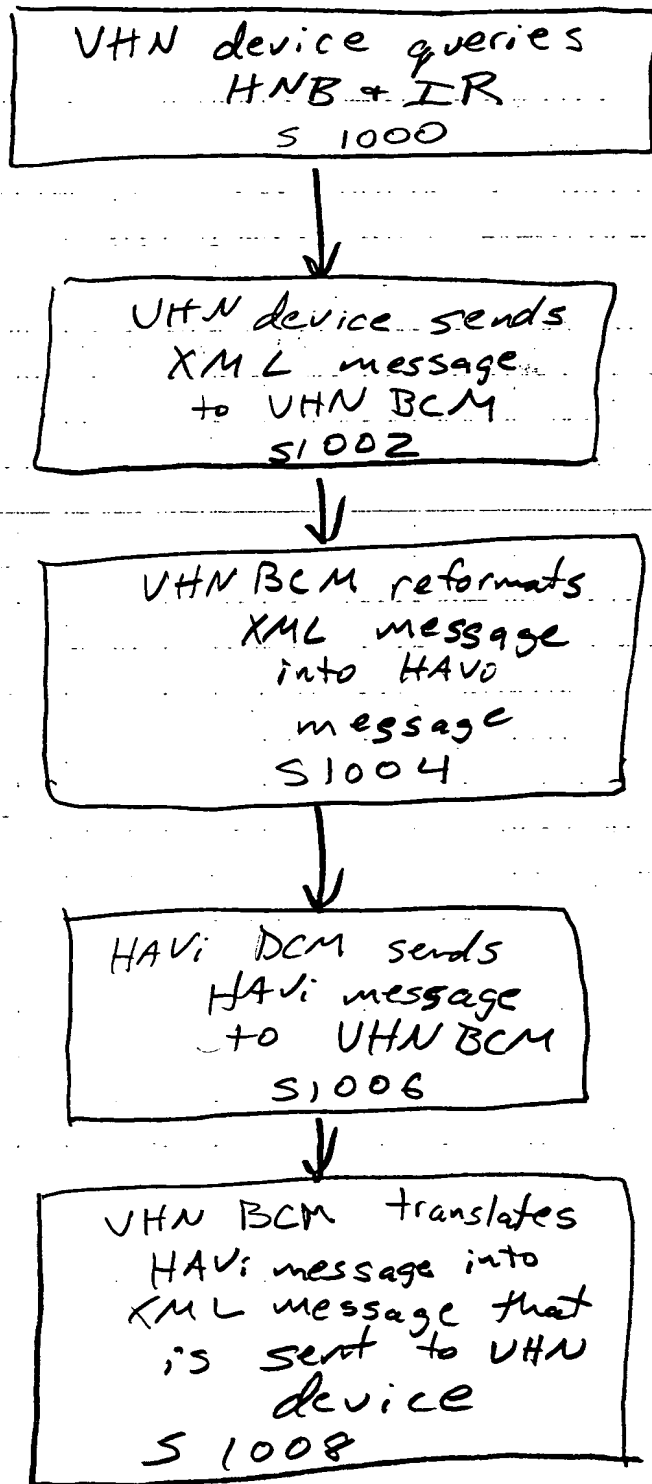


Fig. 10

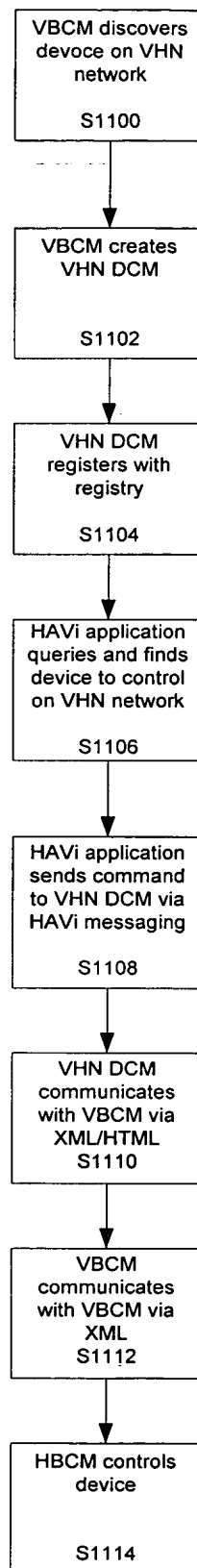


Fig. 11

HAVi application
queries HAVi
registry
S1200

HAVi: application
sends messages
to HAVi-VHN
DCM
S1202

VHN HAVi-VHN DCM
translates HAVE
message to XML
51204

VHN BCM
translates the XML
to HAVi and
send to HAVi
appln.
S1206

Fig. 12

HAVi device sends
message to VHN device
S 1300



VHN device's HAVi-
VHN DCM
translates HAVi
to XML message
S 1302



VHN device sends
XML response
S 1304



VHN BCM translates
XML to HAVi via
HAVi-VHN DCM
S 1306



VHN BCM sends
HAVi message to
HAVi DCM
S 1308

Fig. 13

HAVi device gets
SEID from HAVi
registry &
sends message
S1400

VHN application sends
HAVi message to
VHN BCM
S1402

VHN BCM sends
XML message to
VHN application
S1404

Fig. 14